



# ATRUMP MACHINERY, INC.

670 Union Ave. Pomona, CA 91768  
Tel: 909-623-6887 Fax: (909) 623-2287  
Toll Free Tel: 877-4 ATRUMP

[URL:www.atrump.com](http://www.atrump.com) [e-mail:atrump@atrump.com](mailto:atrump@atrump.com)

## *Manual Knee Mill MODEL: 3VHG with free D.R.O & Feed*

### **MACHINE FEATURES**

- **3HP Spindle Motor, R8 Spindle Taper**
- **4,200 rpm spindle speed with HI-LO gear**
- Hardened & Ground with turcite-B coating guide way
- C7 Double nut precision acme lead screws for high accuracy and long lasting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term reliability
- Anti rust chrome quill
- Standard way covers on all three axes
- Tool box & Tools
- Precision APEC class7 spindle bearing to ensure spindle run out within 0.0002
- One shot lubrication system
- Built-in Quartz work light
- **Machine finished in Taiwan with China casting**



### **Specification:**

Table:	10" x 54"
Longitudinal travel (X-axis):	36.37"
Cross travel:	15.75"
Z axis quill travel:	5"
Knee travel (manual):	16"
Quill diameter:	3.375" (86 mm)
Spindle nose to table top (D):	0.75"-16.75" (20-426 mm)
Load capacity:	704 lb
Spindle taper:	R8
Spindle Speed (r.p.m.):	70 to 4200 rpm with Hi/Lo gear
Transmission of spindle & motor:	Timing Belt
Spindle center to column front surface:	6.875" to 27.875" (175-707 mm)
Ram Travel:	19" (483 mm)

### **Head:**

Swivel (left/right) :	90 degree
Tile (front/back):	45 degree

### **Motor:**

Spindle motor/max torque:	3HP (Std.)
KVA rating:	4KVA, 15amps
Coolant pump (optional)	1/8 Hp
Lubrication pump:	one shot
Power requirement:	4 KVA, 3 Phase 208-230 voltage

**REVISION: 03202008**



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Length X Width X Height (LXWXH): 102" x 77" x 84"  
Net Weight: 2,900 lbs.

MODEL	SPINDLE	Travel X/Y/Z	Tool Change	Table Feed	SPINDLE MOTOR	READOUT	FOB CA
3VHG	R8	36.37x15.75x 16	Manual	Align (X)	2.2Kw(3HP)	Sino	<b>\$ 8,305.00</b>

### STANDARD ACCESSORIES:

Tools & box	Align X-axis power feed	Sino 2-axis digital readout system
Leveling bolts & plate	Draw bar	Halogen work light
Way cover	One shot lube system	
Operation manual	R8 collect holder	

### Additional Accessories information:

Power requirement	4 KVA 3 phase 208V/230Vmax
Air requirement	With opt. power draw bar 90 - 100 psi
Type of oil for Way oil / pneumatic oil	Mobil Vectra #2 / Air tool oil
Coolant capacity	6 Gallons

**F.O.B.:** Pomona, CA. 91768  
**DELIVERY:** Please check with Atrump's Sales Team

**STANDARD TERMS OF PAYMENT:** 20% down-payment, balanced due on machine delivery

**TAXES:** Federal, State, Local Taxes are the responsibility of Purchaser.

**VALIDITY:** This proposal is valid for 30 days.

**WARRANTY:** One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit [www.atrump.com/policy](http://www.atrump.com/policy) for full warranty details & contract.

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